

Notes for Characterization of Federal Units in ICCR Database:

The Federal Database includes data from Air Force, Army, Marine Corps, GSA, and DLA.

Other fuel types consist of OL (Other Liquid), PF (Process Fuels), and No fuel types listed.

Liquid fuels consist of Distillate Oils (D1, D2, and D5), Diesel Fuels, and Jet Fuels (JP4, JP5, and JP8).

Gasoline listed is synonymous with unleaded fuel.

Blank/Other category consist of blank entries or other entries (chiller engines, compressor engines, dynamometer, flight line generators, intermittent generators, port crane engines, test stand trainer engines).

The total number of engines in the EPA Database Version 2 consists of 28,200 with a total of 3,544 Federal Units.

The total number of Air Force and Army engines not included in EPA database was 1,269.

The revised total updated ICCR EPA engine database used for these calculations is 4,813 Federal Unit with a 29,469 total.

The total number of Federal emergency generators is 2,918.

The total number of Federal small engines is 684 not including Emergency Power Units.

Federal emergency power units account for 45% of the emergency power units in the ICCR database.

Notes for Characterization of Federal Units on Major HAP Sources:

*Total EPA Units based on WG Rpt. dtd. 7/10/98 was adjusted to incl. remaining Air Force and Army data. The Federal Database includes data from Air Force, Army, Marine Corps, GSA, and DLA.

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The total number of Federal HAP emergency generators is 838.

The total number of Federal HAP small engines is 229 not including Emergency Power Units.

IC ENGINES: CHARACTERIZATION OF FEDERAL UNITS ON MAJOR HAP SOURCES

ENGINE TYPE/SIZE (HP)	FUEL TYPE					TOTAL
	LP	NG	LIQUID FUEL	GASOLINE	OTHER	
GENERATORS						
<=200			68	4		72
201-999			50			50
1000-4999			25			25
5000-10000						
unknown size			20			20
SUBTOTAL			163	4		167
COGENERATION						
<=200						
201-999		4				4
1000-4999						
5000-10000						
unknown size						
SUBTOTAL		4				4
EMERGENCY GEN						
<=200	1	4	281		3	289
201-999			431		1	432
1000-4999		2	82			84
5000-10000						
unknown size			33			33
SUBTOTAL	1	6	827		4	838
PEAK SHAVING						
<=200						
201-999			1			1
1000-4999			30			30
5000-10000						
unknown size						
SUBTOTAL			31			31
PUMP						
<=200			83	3		86
201-999			100	1	1	102
1000-4999			1			1
5000-10000						
unknown size			10			10
SUBTOTAL			194	4	1	199
BLANK/OTHER						
<=200			65	2	4	71
201-999			38	1		39
1000-4999			22			22
5000-10000						
unknown size			103	3	6	112
SUBTOTAL			228	6	10	244
Total Federal Units on Major HAP Sources	1	10	1443	14	15	1483
Total ICCR Units*	154	14509	5344	206		29469
% of Total ICCR Units	1%	0%	27%	7%		5%

*See separate notes page.

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ENGINE TYPE/SIZE (HP)	FUEL TYPE					TOTAL
	LP	NG	LIQUID FUEL	GASOLINE	OTHER	
Total Federal Units on Major HAP Sources	1	10	1443	14	15	1483
Total Federal Units	12	36	4675	21	69	4813
% of Federal Units which are located on Major HAP Sources	8.3%	27.8%	30.9%	66.7%	21.7%	30.8%

IC ENGINES: CHARACTERIZATION OF FEDERAL UNITS IN ICCR DATABASE

ENGINE TYPE/SIZE (HP)	FUEL TYPE					TOTAL
	LP	NG	LIQUID FUEL	GASOLINE	OTHER	
GENERATORS						
<=200			172	4		176
201-999			215			215
1000-4999			68		1	69
5000-10000			3			3
unknown size			26			26
SUBTOTAL			484	4	1	489
COGENERATION						
<=200						
201-999		4				4
1000-4999						
5000-10000						
unknown size						
SUBTOTAL		4				4
EMERGENCY GEN						
<=200	7	16	911		6	940
201-999	3	2	1316		6	1327
1000-4999		2	232		5	239
5000-10000						
unknown size	2	6	404			412
SUBTOTAL	12	26	2863		17	2918
PEAK SHAVING						
<=200			3			3
201-999			19			19
1000-4999			74			74
5000-10000						
unknown size						
SUBTOTAL			96			96
PUMP						
<=200			146	4	3	153
201-999			156	1	1	158
1000-4999			3			3
5000-10000						
unknown size			30			30
SUBTOTAL			335	5	4	344
BLANK/OTHER						
<=200		2	317	8	25	352
201-999		1	285	1	16	303
1000-4999			132			132
5000-10000						
unknown size		3	163	3	6	175
SUBTOTAL		6	897	12	47	962
Total Federal Units	12	36	4675	21	69	4813
Total ICCR Units*	154	14509	5344	206		29469
% of Total ICCR Units	8%	0%	87%	10%		16%

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